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Dong-Hee [KR/KR]; Jugong Apt. 201-1401, Danggarn 4-Dong, Busanjin-Gu, Busan 614-766 (KR). BAE, Gyo-Jong [KR/KR]; 175-7, Bonggok-Dong, Changwon, Gyeongsangnam-Do 641-823 (KR). LEE, Woo-Geun [KR/KR]; 304-29, Deokcheon 2-Dong, Buk-Gu, Busan 616-816 (KR).

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(74) Agent: PARK, Jang-Won; Jewoo Bldg., 5th Floor, 200, Nonhyun-Dong, Gangnam-Gu, Seoul 135-010 (KR).

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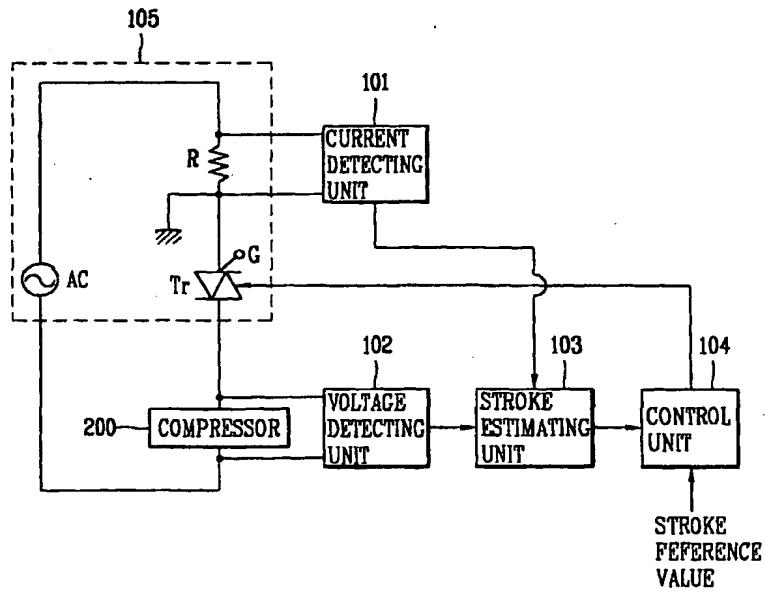
(71) Applicant (*for all designated States except US*): LG ELECTRONICS INC. [KR/KR]; 20, Yoido-Dong, Youngdungpo-Gu, Seoul 150-010 (KR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): JUN, Young-Hoan [KR/KR]; Daedong Apt. 109-102, Sangnam-Dong, Changwon, Gyeongsangnam-Do 641-777 (KR). SHIN,

*[Continued on next page]*

(54) Title: OPERATION CONTROL APPARATUS FOR COMPRESSOR AND METHOD THEREOF



(57) **Abstract:** In an operation control apparatus and a method thereof, the compressor can be protected from overloading through a current control device instead of an OLP (Over Load Protector) and a PTC thermistor (Positive Temperature Coefficient thermistor). The operation control apparatus includes: a stroke estimated unit for estimating a stroke of the compressor on the basis of a current and a voltage applied to an interior motor of the compressor and a motor constant of the interior motor; a control unit for generating a control signal for varying a stroke of the compressor on the basis of the estimated stroke value and a preset stroke reference value; and a current control means being turned on/off so as to vary a stroke voltage applied to the interior motor of the compressor.

WO 2004/057249 A1



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